

197-54P

N-type Monofacial Double Glass Module

HSM-BE54-HD485~505M

505W

Maximum Power Output

24.7%

Maximum Efficiency



Higher energy density;
lower operating temperature



Lower hotspot temperature;
reduce risk of micro-cracks



Refined design,
Busbar-free front side



Comprehensive supply chain integration,
redefining BC standards



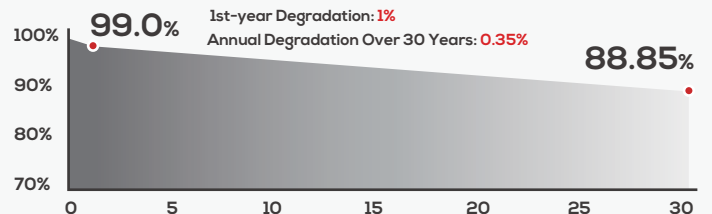
Linear Performance Warranty



15 Years
Product Warranty



30 Years Linear
Performance Warranty



Electrical Parameters (STC*)

* STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5, Measuring Tolerance: ±3%

Maximum Power	P _{max} (W)	485	490	495	500	505						
Open Circuit Voltage	V _{oc} (V)	40.45	40.56	40.66	40.77	40.88						
Short Circuit Current	I _{sc} (A)	15.18	15.28	15.38	15.48	15.58						
Maximum Power Voltage	V _{mp} (V)	33.64	33.75	33.86	33.97	34.08						
Maximum Power Current	I _{mp} (A)	14.42	14.52	14.62	14.72 </tr <tr> <td>Module Efficiency</td> <td>(%)</td> <td>23.8</td> <td>24.0</td> <td>24.3</td> <td>24.5</td> <td>24.7</td> </tr>	Module Efficiency	(%)	23.8	24.0	24.3	24.5	24.7
Module Efficiency	(%)	23.8	24.0	24.3	24.5	24.7						

Temperature Coefficient

Nominal Module Operating Temperature*	42±2°C
Temperature Coefficient of I _{sc}	+0.05%/°C
Temperature Coefficient of V _{oc}	-0.22%/°C
Temperature Coefficient of P _{max}	-0.26%/°C

Operating Parameters

Operating Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Safety Protection	Class II
Fire Rating	Class C

Mechanical Data

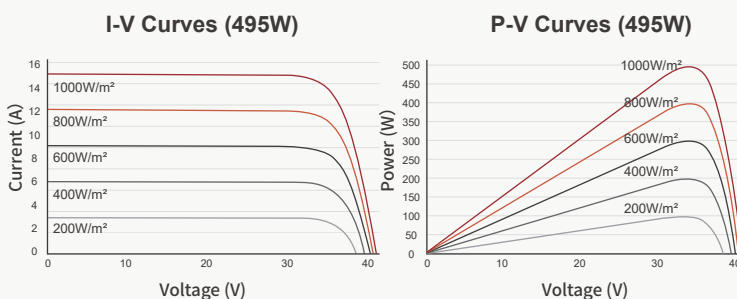
* Please refer to installation manual for details

No. of Cells	108pcs
Dimension	1800×1134×30 mm
Weight	21.7kg ±3%
Front Glass	1.6mm, Heat Strengthened, AR coating Glass
Back Glass	1.6mm, Heat Strengthened Glass
Frame	Black Anodized Aluminium Alloy
J-Box / Diodes	IP68, 3 bypass diodes
Cables	4.0mm ² , +1200mm, -1200mm (can be customized)
Maximum Static Load	Front: 5400Pa / Back: 2400Pa*

Packaging Configuration

Modules per Pallet	37pcs
Modules per 40'HQ Container	962pcs

Curve Graph



Engineering Drawing

[Unit: mm]

